

**ELECTRIC VEHICLES AND THEIR ENVIRONMENTAL IMPACT ON CARGO
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Abstract: Nowadays, global climate change and environmental problems have become one of the most urgent issues for humanity. The transport sector plays an important role in solving these problems, as it is a source of gases and other pollutants released into the atmosphere. Electric vehicles are creating new opportunities to solve this problem. This article examines the environmental impact of electric vehicles in freight transportation and their benefits.

Keywords: electric vehicles, environmental impact, climate changes, solar and wind energy, energy resources.

Аннотация: В настоящее время глобальные изменения климата и проблемы окружающей среды стали одними из наиболее актуальных вопросов для человечества. Транспортный сектор играет важную роль в решении этих проблем, так как является источником выбросов газов и других загрязняющих веществ в атмосферу. Электромобили открывают новые возможности для решения этой проблемы. В данной статье рассматривается влияние электромобилей на окружающую среду при грузовых перевозках и их преимущества.

Ключевые слова: электромобили, воздействие на окружающую среду, изменения климата, солнечная и ветровая энергетика, энергетические ресурсы.

INTRODUCTION.

Electric vehicles do not use gasoline or diesel fuel, so they do not emit harmful gases into the atmosphere, such as carbon dioxide, nitrogen oxides, and other pollutants. This, in turn, improves air quality and is important in the fight against climate change. Electric vehicles are more energy-efficient than conventional vehicles. They convert electrical energy directly into motion, which reduces energy losses. This, in turn, leads to the saving of energy resources.

LITERATURE ANALYSIS AND RESEARCH METHODOLOGY.

Renewable energy sources such as solar and wind energy can be used to power electric vehicles. This further reduces the impact on the environment and increases energy security. Electric cars emit much less noise than conventional vehicles. This will reduce noise pollution and improve the living environment in cities and towns. Electric trucks offer fast and efficient cargo transportation. They are ideal for quick cargo transportation over short distances. The price of electricity is often lower than the price of fuel, which reduces freight costs. Also, the maintenance costs of electric vehicles are lower than those of conventional vehicles. Companies can develop their brand as "green" by using electric cars. This creates a positive image among customers and increases competitiveness.

DISCUSSION AND RESULTS.

Electric vehicles do not use gasoline or diesel fuel, so they do not emit harmful gases and pollutants into the atmosphere. This improves air quality and is important in the fight against climate change. Electric vehicles are more energy-efficient than conventional vehicles. They convert electrical energy directly into motion, which reduces energy losses. The price of electricity is often lower than the price of fuel, which reduces shipping and transportation costs. Also, maintenance costs of electric vehicles are lower compared to conventional vehicles. Electric vehicles emit much less noise than traditional vehicles, which reduces noise pollution in cities and towns. Solar, wind, and other renewable energy sources can be used to power electric vehicles, further reducing the impact on the environment. Electric trucks and buses provide fast and efficient transportation of goods, which speeds up the transportation process. By using electric vehicles, companies can develop their brand as "green", which creates a positive image among customers. Electric vehicles are often equipped with modern technologies that make their operation more efficient and convenient. These advantages indicate that electric vehicles will play an important role in the future of transportation.

CONCLUSION.

Electric vehicles play an important role in reducing the environmental impact of cargo transportation and protecting the environment. Their energy efficiency, reduced pollution, and ability to use renewable energy sources will provide environmentally friendly solutions for future transportation. Also, the economic advantages of electric vehicles make them more attractive in the field of freight transport. Therefore, the development and expansion of electric vehicles are important for environmental protection and sustainable development.

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